

General Offices/3M

3M Center
St. Paul, Minnesota 55144-1000
(612) 733-1110

MATERIAL SAFETY
DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS
TRADE NAME: SCOTCH-WELD(TM) Brand Struct. Adh. Film AF-31
(10-mil)

3M I.D. NUMBER: 62-1514-0155-1 62-1514-0205-4 62-1514-0451-4
62-1514-2801-8 62-1514-3305-9 62-1514-3501-3
62-1514-3505-4 62-1514-3905-6 62-1514-4705-9

ISSUED: JANUARY 14, 1987
SUPERSEDES: JULY 1, 1986
DOCUMENT: 10-8263-5

		EXPOSURE	
1. INGREDIENTS	C.A.S. NO.	PERCENT	LIMITS
acrylonitrile/butadiene polymer	N/A		N/D 5
phenol/formaldehyde polymer	N/A		N/D 5
zinc oxide	1314-13-2		10 mg/m ³ 1
sulfur	N/A		N/D 5
curative	95-33-0		N/D 5
TOTAL OF THE ABOVE	N/A	100.0	N/D 5

SOURCE OF EXPOSURE LIMIT DATA:

1. ACGIH Threshold Limit Values
2. Federal OSHA Permissible Exposure Limit
3. 3M Exposure Guidelines
4. Chemical Manufacturer Recommended Guidelines
5. None Established

ABBREVIATIONS:

N/D - Not Determined
N/A - Not Applicable

2. PHYSICAL DATA	
BOILING POINT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY (Air=1):	N/A
EVAPORATION RATE (Ether=1):	N/A
APPEARANCE AND ODOR:	Light tan film -- essentially no odor
SOLUBILITY IN WATER:	Not soluble
SP. GRAVITY (Water=1):	N/A
PERCENT VOLATILE:	0%
VISCOSITY:	N/A
pH:	N/A

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3. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (Closed Cup): N/A
FLAMMABLE LIMITS - LEL: N/A UEL: N/A

EXTINGUISHING MEDIA:

Water, CO2, foam, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

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4. REACTIVITY DATA

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STABILITY: STABLE

INCOMPATIBILITY:

HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition or burning may produce SO2, CH2O, C, H, N decomposition products.

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5. ENVIRONMENTAL INFORMATION

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SPILL RESPONSE:

N/A -- Solid film adhesive.

RECOMMENDED DISPOSAL:

UNCURED WASTE: Incinerate waste/bulk product in an industrial or commercial facility. CURED WASTE: Dispose in a sanitary landfill. Disposal should be in accordance with applicable regulations.

ENVIRONMENTAL DATA:

N/D

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6. SUGGESTED FIRST AID

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EYE CONTACT:

Flush eyes with plenty of water for at least 10 minutes. Call a physician.

SKIN CONTACT:

Wash thoroughly with soap and water.

INHALATION:

Remove individual to fresh air. Call a physician.

IF SWALLOWED:

N/A -- Not expected (solid film adhesive).

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7. PRECAUTIONARY INFORMATION

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Avoid eye and skin contact. Wear protective equipment such as safety glasses and impervious gloves when handling. Launder contaminated clothing before reuse. Avoid inhalation of, or eye contact with dust from grinding, sawing and cutting operations on the cured material; wear a dust mask. Keep out of the reach of children.

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8. HEALTH HAZARD DATA

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EYE CONTACT: Dust from grinding, sawing or cutting operations on the cured material may cause eye irritation.

SKIN CONTACT: May cause skin irritation.

INHALATION: Dust from grinding, sawing, and cutting operations on the cured adhesive may cause respiratory irritation.

INGESTION: Not applicable -- solid film adhesive.

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.